PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/800,909*

DATE: 05/05/2001
TIME: 00:04:28

INPUT SET: S36630.raw

> **This Raw Listing contains the General**
> **Information Section and up to the first 5 pages.**

SEQUENCE LISTING

```
 1
 2
 3     (1)     General Information:
 4
 5           (i) APPLICANT: WALLACH, David
 6                          BIGDA, Jacek
 7                          BELETSKY, Igor
 8                          METT, Igor
 9                          ENGELMANN, Hartmut
10
11          (ii) TITLE OF INVENTION: TNF INHIBITORS
12
13         (iii) NUMBER OF SEQUENCES: 8
14
15          (iv) CORRESPONDENCE ADDRESS:
16                  (A) ADDRESSEE: BROWDY AND NEIMARK
17                  (B) STREET: 419 Seventh Street, N.W.
18                  (C) CITY: Washington
19                  (D) STATE: D.C.
20                  (E) COUNTRY: USA
21                  (F) ZIP: 20004
22
23           (v) COMPUTER READABLE FORM:
24                  (A) MEDIUM TYPE: Floppy disk
25                  (B) COMPUTER: IBM PC compatible
26                  (C) OPERATING SYSTEM: PC-DOS/MS-DOS
27                  (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
28
29          (vi) CURRENT APPLICATION DATA:
30                  (A) APPLICATION NUMBER: 09/800,909
31                  (B) FILING DATE:
32                  (C) CLASSIFICATION:
33
34         (vii) PRIOR APPLICATION DATA:
35                  (A) APPLICATION NUMBER: 08/476,862
36                  (B) FILING DATE:
37
38         (vii) PRIOR APPLICATION DATA:
39                  (A) APPLICATION NUMBER: IL 94039
40                  (B) FILING DATE: 06-APR-1990
41
42         (vii) PRIOR APPLICATION DATA:
43                  (A) APPLICATION NUMBER: IL 91229
44                  (B) FILING DATE: 06-AUG-1989
45
46         (vii) PRIOR APPLICATION DATA:
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ENTERED

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47                    (A) APPLICATION NUMBER: IL 90339
48                    (B) FILING DATE: 18-MAY-1989
49
50       (viii) ATTORNEY/AGENT INFORMATION:
51                    (A) NAME: BROWDY, Roger L.
52                    (B) REGISTRATION NUMBER: 25,618
53                    (C) REFERENCE/DOCKET NUMBER: WALLACH=12A
54
55         (ix) TELECOMMUNICATION INFORMATION:
56                    (A) TELEPHONE: 202-628-5197
57                    (B) TELEFAX: 202-737-3528
58
59
60    (2) INFORMATION FOR SEQ ID NO:1:
61
62         (i) SEQUENCE CHARACTERISTICS:
63                    (A) LENGTH: 2224 base pairs
64                    (B) TYPE: nucleic acid
65                    (C) STRANDEDNESS: single
66                    (D) TOPOLOGY: linear
67
68        (ii) MOLECULE TYPE: cDNA
69
70        (ix) FEATURE:
71                    (A) NAME/KEY: CDS
72                    (B) LOCATION: 90..1472
73
74
75        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
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77    GCGAGCGCAG CGGAGCCTGG AGAGAAGGCG CTGGGCTGCG AGGGCGCGAG GGCGCGAGGG        60
78
79    CAGGGGGCAA CCGGACCCCG CCCGCACCC ATG GCG CCC GTC GCC GTC TGG GCC        113
80                                      Met Ala Pro Val Ala Val Trp Ala
81                                       1               5
82
83    GCG CTG GCC GTC GGA CTG GAG CTC TGG GCT GCG GCG CAC GCC TTG CCC        161
84    Ala Leu Ala Val Gly Leu Glu Leu Trp Ala Ala Ala His Ala Leu Pro
85        10                  15                  20
86
87    GCC CAG GTG GCA TTT ACA CCC TAC GCC CCG GAG CCC GGG AGC ACA TGC        209
88    Ala Gln Val Ala Phe Thr Pro Tyr Ala Pro Glu Pro Gly Ser Thr Cys
89     25              30              35                  40
90
91    CGG CTC AGA GAA TAC TAT GAC CAG ACA GCT CAG ATG TGC TGC AGC AAA        257
92    Arg Leu Arg Glu Tyr Tyr Asp Gln Thr Ala Gln Met Cys Cys Ser Lys
93                  45              50                  55
94
95    TGC TCG CCG GGC CAA CAT GCA AAA GTC TTC TGT ACC AAG ACC TCG GAC        305
96    Cys Ser Pro Gly Gln His Ala Lys Val Phe Cys Thr Lys Thr Ser Asp
97              60              65                  70
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99    ACC GTG TGT GAC TCC TGT GAG GAC AGC ACA TAC ACC CAG CTC TGG AAC        353
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RAW SEQUENCE LISTING
PATENT APPLICATION   *US/09/800,909*

INPUT SET: S36630.raw

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104    Trp Val Pro Glu Cys Leu Ser Cys Gly Ser Arg Cys Ser Ser Asp Gln
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107    GTG GAA ACT CAA GCC TGC ACT CGG GAA CAG AAC CGC ATC TGC ACC TGC    449
108    Val Glu Thr Gln Ala Cys Thr Arg Glu Gln Asn Arg Ile Cys Thr Cys
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111    AGG CCC GGC TGG TAC TGC GCG CTG AGC AAG CAG GAG GGG TGC CGG CTG    497
112    Arg Pro Gly Trp Tyr Cys Ala Leu Ser Lys Gln Glu Gly Cys Arg Leu
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115    TGC GCG CCG CTG CGC AAG TGC CGC CCG GGC TTC GGC GTG GCC AGA CCA    545
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119    GGA ACT GAA ACA TCA GAC GTG GTG TGC AAG CCC TGT GCC CCG GGG ACG    593
120    Gly Thr Glu Thr Ser Asp Val Val Cys Lys Pro Cys Ala Pro Gly Thr
121             155                 160                 165
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123    TTC TCC AAC ACG ACT TCA TCC ACG GAT ATT TGC AGG CCC CAC CAG ATC    641
124    Phe Ser Asn Thr Thr Ser Ser Thr Asp Ile Cys Arg Pro His Gln Ile
125             170                 175                 180
126

127    TGT AAC GTG GTG GCC ATC CCT GGG AAT GCA AGC ATG GAT GCA GTC TGC    689
128    Cys Asn Val Val Ala Ile Pro Gly Asn Ala Ser Met Asp Ala Val Cys
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130

131    ACG TCC ACG TCC CCC ACC CGG AGT ATG GCC CCA GGG GCA GTA CAC TTA    737
132    Thr Ser Thr Ser Pro Thr Arg Ser Met Ala Pro Gly Ala Val His Leu
133                 205                 210                 215
134

135    CCC CAG CCA GTG TCC ACA CGA TCC CAA CAC ACG CAG CCA ACT CCA GAA    785
136    Pro Gln Pro Val Ser Thr Arg Ser Gln His Thr Gln Pro Thr Pro Glu
137                 220                 225                 230
138

139    CCC AGC ACT GCT CCA AGC ACC TCC TTC CTG CTC CCA ATG GGC CCC AGC    833
140    Pro Ser Thr Ala Pro Ser Thr Ser Phe Leu Leu Pro Met Gly Pro Ser
141             235                 240                 245
142

143    CCC CCA GCT GAA GGG AGC ACT GGC GAC TTC GCT CTT CCA GTT GGA CTG    881
144    Pro Pro Ala Glu Gly Ser Thr Gly Asp Phe Ala Leu Pro Val Gly Leu
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146

147    ATT GTG GGT GTG ACA GCC TTG GGT CTA CTA ATA ATA GGA GTG GTG AAC    929
148    Ile Val Gly Val Thr Ala Leu Gly Leu Leu Ile Ile Gly Val Val Asn
149    265                 270                 275                 280
150

151    TGT GTC ATC ATG ACC CAG GTG AAA AAG AAG CCC TTG TGC CTG CAG AGA    977
152    Cys Val Ile Met Thr Gln Val Lys Lys Lys Pro Leu Cys Leu Gln Arg
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RAW SEQUENCE LISTING
PATENT APPLICATION   *US/09/800,909*

INPUT SET: S36630.raw

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157           300                 305                 310
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159   GGC CCC GAG CAG CAG CAC CTG CTG ATC ACA GCG CCG AGC TCC AGC AGC      1073
160   Gly Pro Glu Gln Gln His Leu Leu Ile Thr Ala Pro Ser Ser Ser Ser
161           315                 320                 325
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163   AGC TCC CTG GAG AGC TCG GCC AGT GCG TTG GAC AGA AGG GCG CCC ACT      1121
164   Ser Ser Leu Glu Ser Ser Ala Ser Ala Leu Asp Arg Arg Ala Pro Thr
165           330                 335                 340
166
167   CGG AAC CAG CCA CAG GCA CCA GGC GTG GAG GCC AGT GGG GCC GGG GAG      1169
168   Arg Asn Gln Pro Gln Ala Pro Gly Val Glu Ala Ser Gly Ala Gly Glu
169   345                 350                 355                 360
170
171   GCC CGG GCC AGC ACC GGG AGC TCA GAT TCT TCC CCT GGT GGC CAT GGG      1217
172   Ala Arg Ala Ser Thr Gly Ser Ser Asp Ser Ser Pro Gly Gly His Gly
173               365                 370                 375
174
175   ACC CAG GTC AAT GTC ACC TGC ATC GTG AAC GTC TGT AGC AGC TCT GAC      1265
176   Thr Gln Val Asn Val Thr Cys Ile Val Asn Val Cys Ser Ser Ser Asp
177               380                 385                 390
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179   CAC AGC TCA CAG TGC TCC TCC CAA GCC AGC TCC ACA ATG GGA GAC ACA      1313
180   His Ser Ser Gln Cys Ser Ser Gln Ala Ser Ser Thr Met Gly Asp Thr
181           395                 400                 405
182
183   GAT TCC AGC CCC TCG GAG TCC CCG AAG GAC GAG CAG GTC CCC TTC TCC      1361
184   Asp Ser Ser Pro Ser Glu Ser Pro Lys Asp Glu Gln Val Pro Phe Ser
185       410                 415                 420
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187   AAG GAG GAA TGT GCC TTT CGG TCA CAG CTG GAG ACG CCA GAG ACC CTG      1409
188   Lys Glu Glu Cys Ala Phe Arg Ser Gln Leu Glu Thr Pro Glu Thr Leu
189   425                 430                 435                 440
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191   CTG GGG AGC ACC GAA GAG AAG CCC CTG CCC CTT GGA GTG CCT GAT GCT      1457
192   Leu Gly Ser Thr Glu Glu Lys Pro Leu Pro Leu Gly Val Pro Asp Ala
193               445                 450                 455
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195   GGG ATG AAG CCC AGT TAACCAGGCC GGTGTGGGCT GTGTCGTAGC CAAGGTGGGC      1512
196   Gly Met Lys Pro Ser
197               460
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199   TGAGCCCTGG CAGGATGACC CTGCGAAGGG GCCCTGGTCC TTCCAGGCCC CCACCACTAG      1572
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201   GACTCTGAGG CTCTTTCTGG GCCAAGTTCC TCTAGTGCCC TCCACAGCCG CAGCCTCCCT      1632
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203   CTGACCTGCA GGCCAAGAGC AGAGGCAGCG AGTTGGGGAA AGCCTCTGCT GCCATGGTGT      1692
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205   GTCCCTCTCG GAAGGCTGGC TGGGCATGGA CGTTCGGGGC ATGCTGGGGC AAGTCCCTGA      1752
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INPUT SET: S36630.raw

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209   TTTTTGTTTG TTTGTTTGTT TGTTTGTTTG TTTCTCCCCC TGGGCTCTGC CCAGCTCTGG   1872
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211   CTTCCAGAAA ACCCCAGCAT CCTTTTCTGC AGAGGGGCTT TCTGGAGAGG AGGGATGCTG   1932
212
213   CCTGAGTCAC CCATGAAGAC AGGACAGTGC TTCAGCCTGA GGCTGAGACT GCGGGATGGT   1992
214
215   CCTGGGGCTC TGTGTAGGGA GGAGGTGGCA GCCCTGTAGG GAACGGGGTC CTTCAAGTTA   2052
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217   GCTCAGGAGG CTTGGAAAGC ATCACCTCAG GCCAGGTGCA GTGGCTCACG CCTATGATCC   2112
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219   CAGCACTTTG GGAGGCTGAG GCGGGTGGAT CACCTGAGGT TAGGAGTTCG AGACCAGCCT   2172
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221   GGCCAACATG GTAAAACCCC ATCTCTACTA AAAATACAGA AATTAGCCGG GC   2224
222
223
224   (2) INFORMATION FOR SEQ ID NO:2:
225
226   (i) SEQUENCE CHARACTERISTICS:
227   (A) LENGTH: 461 amino acids
228   (B) TYPE: amino acid
229   (D) TOPOLOGY: linear
230
231   (ii) MOLECULE TYPE: protein
232
233   (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
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235   Met Ala Pro Val Ala Val Trp Ala Ala Leu Ala Val Gly Leu Glu Leu
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237
238   Trp Ala Ala Ala His Ala Leu Pro Ala Gln Val Ala Phe Thr Pro Tyr
239   20   25   30
240
241   Ala Pro Glu Pro Gly Ser Thr Cys Arg Leu Arg Glu Tyr Tyr Asp Gln
242   35   40   45
243
244   Thr Ala Gln Met Cys Cys Ser Lys Cys Ser Pro Gly Gln His Ala Lys
245   50   55   60
246
247   Val Phe Cys Thr Lys Thr Ser Asp Thr Val Cys Asp Ser Cys Glu Asp
248   65   70   75   80
249
250   Ser Thr Tyr Thr Gln Leu Trp Asn Trp Val Pro Glu Cys Leu Ser Cys
251   85   90   95
252
253   Gly Ser Arg Cys Ser Ser Asp Gln Val Glu Thr Gln Ala Cys Thr Arg
254   100   105   110
255
256   Glu Gln Asn Arg Ile Cys Thr Cys Arg Pro Gly Trp Tyr Cys Ala Leu
257   115   120   125
258

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION   *US/09/800,909*

Line   Error   Original Text

SEQUENCE MISSING ITEM REPORT
PATENT APPLICATION   *US/09/800,909*

INPUT SET: S36630.raw

< < THERE ARE NO ITEMS MISSING > >

SEQUENCE CORRECTION REPORT
PATENT APPLICATION   *US/09/800,909*

INPUT SET: S36630.raw

Line	Original Text	Corrected Text